

ABSTRACT

It is possible to provide a speech signal noise elimination device etc. for surely eliminating a noise mixed in a speech. A pitch analysis section 2 calculates the moving correction average of the frequency of the pitch component of the speech represented by the original speech signal acquired by a speech input section 1. A variable-type filter 3 extracts the pitch component by eliminating components other than the moving correction average calculated by the pitch analysis section 2 and its vicinity from the original speech signal. An absolute value detection section 4 determines the absolute value of the pitch component. A low-pass filter 5 filters the signal representing the absolute value obtained and generates the gain adjustment signal. The original speech signal is subjected to timing adjustment by a delay section 6 and amplified or attenuated by a gain adjustment section 7 by use of the gain determined by the value of the gain adjustment signal before being output.